Sheet

of

PYO/SB/08A (10-01)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Palant and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Description a criterion of information unless is contains a vilid OMB control number.

003797.00618

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a optection of information unless to contains a valid OMB control number. Substitute for form 1448A/PTO Complete if Known 10/646,473 INFORMATION DISCLOSURE Application Number August 21, 2003 Filing Date STATEMENT BY APPLICANT First Named Inventor Jamie Wakeam et al. Group Art Unit 2182 TBA (use as many sheets as necessary) Examiner Name

Attorney Docket Number

Examinar Cita	1		Publication Date MM-DO-YYYY	Name of Parantee or Applicant of Cited Document	Pegas, Columns, Lines, Where Relevan
					Peges, Columns, Lines, Where Relov Pessages or Relevant Figures Appear
S.S./		5,559,097	09-24-1896	Brown et al.	
S.S.1	1	5,911,013	06-08-1999	Tanilshl	
\$.\$./		5,394,484	02-26-1995	Casey et al.	

		FOREIGN PA	ATENT DOCU	MENTS		
Funcions	Ciro	Foreign Patent Document	Publication	Name of Palentee or	Pages, Columns, Lines, Where Relevant	
Examiner Initials	Cite No.	Country Code ³ - Number ⁴ - Kind Code ⁸ (Il known)	Date MM-DD-YYYY	Applicant of Cited Document	Passages or Relevant Figures Appear	
	I		1		l	

Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue	
Examiner Cite the item (book, magazine, journal, senal, symposium, catalog, etc.), date, page(e), volume-sate initials * No. 1 number(s), publisher, city and/or country where published.	T ²

Examiner		1 0-1-	
rexammen i		Date	l
Signature /Satwant Sing	h/	Considered	12/18/2007

^{&#}x27;EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not compilered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the Individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissional for Patents, Washington, DC 20231.

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

003797.00616

ork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Substitute for form and SAPTO Complete if Known Application Number 10/646,473 INFORMATION DISCLOSURE August 21, 2003 Filing Date STATEMENT BY APPLICANT First Named Inventor Jamie Wakeam et al. Group Art Unit 2182 (use as many sheets as necessary) TBA **Examiner Name**

Attorney Docket Number

Examiner Cite No.1	C11-	Onto	Publication Date	Name of Patentee or Applicant of	Pages, Columns, Lines, Where Relevant
			MM-DD-YYYY	Cited Document	Passages or Relevant Figures Appear
S.S./		5,546,538 A1	08-13-1996	Cobbley et al.	
S.S./		5,455,901 A1	10-03-1995	Friend et al.	
S.S./		6,292,857 B1	09-18-2001	Sidoroff et al.	
S.S./		2001/0012401 A1	08-09-2001	Nagy	
S.S./		2003/0028851 A1	02-06-2003	Leung et al.	
	 				
	1				

Sheet

of

		FOREIGN PA	TENT DOCU	MENTS		
	Cita	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines, Where Relevant	
Examiner Initials*	Cite No.1		Date MM-DD-YYYY	Applicant of Cited Document	Passages or Relevant Figures Appear	T [©]
	l					

OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS				
		lude name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Τ²	
			ļ	

			· · · · · · · · · · · · · · · · · · ·
Examiner Signature	/Satwant Singh/	Date Considered	12/18/2007
			<u> </u>

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

¹ Unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known **Application Number** 10/646,473 August 21, 2003 Filing Date First Named Inventor Jamie Wakeam et al. Group Art Unit 2182 **Examiner Name TBA**

(use as many sheets as necessary)

003797.00616 Sheet of Attorney Docket Number

		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	
Examiner Initials *	Cite No.1	Include name of the author (In CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 2
/S.S./		H. Kitakami et al., "A Constraint Solver for Reconciling Heterogeneous Trees," IC-AI '00 International Conference, 2000, pp. 1419-1425	
'S.S./		M. van Veller et al., "Methods in Vicariance Biogeography: Assessment of the Implementations of Assumptions 0, 1, and 2," Cladistics 16, 2000, pp. 319-345	
/S.S./	V. V'yugin et al., "Tree Reconciliation: Reconstruction of Species Phylogeny by Phylogenetic Gene Trees," Molecular Biology, Vol. 36, No. 5, 2002, pp.650-658		
/S.S./		H. Prodinger, "A q-Analog of the Path Length of Binary Search Trees," 10/14/1999, pp. 1-9	
/S.S./		R. Page, "Extracting Species Trees From Complex Gene Trees: Reconciled Trees And Vertebrate Phylogeny," Molecular Phylogenetics and Evolution, Vol. 14, No. 1, 2000, pp. 89-106	
/S.S./		M. van Veller et al., "A posteriori and a priori methodologies for testing hypotheses of causal processes in vicariance biogeography," Willi Hennig Society, 2001, pp. 26	
/S.S./		A. Martin, "Choosing among Alternative Trees of Multigene Families," Molecular Phylogenetics and Evolution, Vol. 16, No. 3, 2000, pp. 430-439	
/S.S./		M.T. Hallett et al., "Efficient Algorithms for Lateral Gene Transfer Problems," RECOMB, 2001, pp. 149-156	
/S.S./		R. Neininger, "On binary search tree recursions with monomials as toll functions," Journal of Computational and Applied Mathematics, 2002, pp. 185-196	
/S.S./		M. Hofri et al., "Efficient Reorganization of Binary Search Trees," Proceedings of the 2 nd Italian Conference on Algorithms and Complexity, 1994, pp. 1-25	
/S.S./		M. Hallett et al., "New Algorithms for the Duplication-Loss Model," RECOMB, 2000, pp. 138-146	
/S.S./		B. Ma et al., "From Gene Trees to Species Trees," Second Annual International Conference on Computational Molecular Biology," 1998, pp. 1-29	
/S.S./		Miklós Csűrös, "Fast recovery of evolutionary trees with thousands of nodes," Department of Computer Science, Yale University, 2002, 36 pages	
/S.S./		Hajime Kitakami et al., "Constraint Satisfaction for Reconciling Heterogeneous Tree Databases," DEXA 2000, LNCS 1873, pp. 624-633	

Examiner		Date	·
Signature	/Satwant Singh/	Considered	12/18/2007

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231, DC 20231. Patents, Washington, DC 20231.

¹ Unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08A (10-01)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

	Complete if Known				
Application Number	10/646,473				
Filing Date	August 21, 2003				
First Named Inventor	Jamie Wakeam et al.				
Group Art Unit	2182				
Examiner Name	TBA				
Attorney Docket Number	003797.00616				

U.S. PATENT DOCUMENTS						
Cito	Document Number	Publication Date	Name of Patentee or Applicant of	Pages, Columns, Lines, Where Relevan		
No.1	Number - Kind Code ² (if known)	MM-DD-YYYY	Cited Document	Passages or Relevant Figures Appear		
	6,603,881 B2	08-05-2003	Реполе et al.			
	6,442,555 B1	08-27-2002	Shmueli et al.			
ļ						
				•		
	<u> </u>					
 	 					
	Cite No.1	Cite No. 1 Number - Kind Code ² (if known) 6,603,881 B2	Document Number Publication Date	Cite No. Number - Kind Code ² (if known) 6,603,881 B2 Document Number - Publication Date MM-DD-YYYY Publication Date MM-DD-YYYY Publication Date MM-DD-YYYYY Publication Date MM-DD-YYYY Publication Date MM-DD-YYYYY Publication Date MM-DD-YYYYY		

	FOREIGN PATENT DOCUMENTS									
Examiner Initials*	Cite	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines, Where Relevant					
	No.1	Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Date MM-DD-YYYY	Applicant of Cited Document	Passages or Relevant Figures Appear	T ⁶				

OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS							
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²				
/S.S [.] ./		Ramachandran et al., "An Architecture for Ink Annotations on Web Documents," August 2003, vol. 1, pages 256-260	•				

			_ · · · · · · · · · · · · · · · · · · ·
Examiner		Date	
Signature	/Satwant Singh/	Considered	12/18/2007

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

¹ Unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

PTO/SB/08a (08-03)
Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

	Application Number		10646473		
INCORMATION DIGOLOGUES	Filing Date		2003-08-21		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	First Named Inventor	Jamie	e WAKEAM et al.		
(Not for submission under 37 CFR 1.99)	Art Unit		2625		
, (,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Examiner Name	Coles	s, E.		
	Attorney Docket Numb	er	003797.00616		

					U.S.F	PATENTS			Remove		
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue D	ate	Name of Pate of cited Docu	Pages,Columns,Lines where Relevant Passages or Releva Figures Appear				
/S.S./	1	5588147		1996-1	2-24	Neeman et al.					
If you wisl	n to a	ldd additional U.S. Pate	nt citatio	n inform	ation pl	ease click the	Add button.	<u> </u>	Add		
			U.S.P	ATENT	APPLIC	CATION PUBL	LICATIONS		Remove		
Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publica Date	ation	Name of Pate of cited Docu	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear				
/S.S./	1	20020133507	A1	2002-0	9-19	Holenstein et al.					
If you wisi	h to a	dd additional U.S. Publ	ished Ap	plication	citation	n information p	please click the Add	d button	Add		
				FOREIG	GN PAT	ENT DOCUM	ENTS		Remove		
Examiner Initial*	Cite No	Foreign Document Number ³			Publication Date	Name of Patented Applicant of cited Document	e or Y F	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear			
	1										
If you wis	h to a	l dd additional Foreign P	atent Do	cument	L citation	information pl	l ease click the Add	button	Add		L
	1	•	NON	I-PATEI	NT LITE	RATURE DO	CUMENTS		Remove		
Examiner Initials*	Cite No	Include name of the a (book, magazine, jour publisher, city and/or	nal, seria	al, symp	osium,	catalog, etc), o					T 5

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

,					
Application Number		10646473			
Filing Date		2003-08-21			
First Named Inventor	Jami	e WAKEAM et al.			
Art Unit		2625			
Examiner Name Cole		s, E.			
Attorney Docket Number		003797.00616			

_			,		·			
/S.S./	1	Gupta et al, "Robust Annotation Positioning in Digital Documents," Pub. 9/22/2000, ftp://ftp.research.microsoft.com/pub/tr/tr-2000-95.pdf						
If you w	ish to a	dd add	itional non-patent literature document citation in	formation please click the Add b	outton Add			
			EXAMINER SIGN	IATURE				
Examiner Signature		ature	/Satwant Singh/	Date Considered	12/18/2007			
			reference considered, whether or not citation is mance and not considered. Include copy of this					
Standard ⁴ Kind of d	ST.3). ³ l locument	or Japa by the a	O Patent Documents at <u>www.USPTO.GOV</u> or MPEP 901.04 inese patent documents, the indication of the year of the reimpropriate symbols as indicated on the document under Win is attached.	gn of the Emperor must precede the ser	rial number of the patent doc	ument.		

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99) Application Number 10646473 Filing Date 2003-08-21 First Named Inventor Jamie WAKEAM et al. Art Unit 2625 Examiner Name Singh, S. Attorney Docket Number 003797.00616

				U.S.	PATENTS	Remove
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
/S.S./	1	6377259	B2	2002-04-23	Tenev et al.	
/S.S./	2	5587560		1996-12-24	Crooks et al.	·
/S.S./	3	5600834		1997-02-04	Howard	
/S.S./	4	5799315		1998-08-25	Rainey et al.	
/S.S./	5	6240414		2001-05-29	Beizer et al.	
/S.S./	6	7106905		2006-09-12	Simske	
/S.S./	7	5806074		1998-09-08	Souder et al.	
/S.S./	8	6687876		2004-02-03	Schilit et al.	
If you wisl	n to a	dd additional U.S. Paten	t citatio	n information p	lease click the Add button.	Add

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	•	10646473			
Filing Date		2003-08-21			
First Named Inventor Jamie		NAKEAM et al.			
Art Unit		2625			
Examiner Name Singh,		1, S.			
Attorney Docket Number		003797.00616			

			U.S.P	ATENT	APPLIC	CATION PUBL	ICATIONS		Remove		
Examiner Initial*	Cite No	Publication Number	Kind Code ¹			Name of Patentee or Applicant of cited Document		Pages,Columns,Lines w Relevant Passages or R Figures Appear			
/S.S./	1	20020085002	A1	2002-07-04		Lamping et al.					
/S.S./	2	20020191452	A1	2002-12-19		Fujihara					
If you wis	h to ac	dd additional U.S. Publi	shed Ap	plication	citatio	n information p	lease click the Ad	d buttor	Add		
				FOREIG	GN PAT	ENT DOCUM	ENTS		Remove		
Examiner Initial*	Cite No	Foreign Document Number ³		Country Code ² į		Publication Date	Name of Patentee or Applicant of cited Document		Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear		Т5
/S.S./	1	0902379	EP	A2		1999-03-17	Xerox Corp.			·	×
If you wis	h to a	dd additional Foreign Pa	atent Do	cument	citation	information pl	ease click the Add	button	Add		
-			NON	N-PATE	NT LITE	RATURE DO	CUMENTS		Remove		
Examiner Initials*	Cite No	Include name of the a (book, magazine, jour publisher, city and/or o	nal, seri	al, symp	osium,	catalog, etc), o	the article (when a date, pages(s), vol	appropri ume-iss	ate), title of sue number	the item (s),	T 5
·	1										
If you wis	h to a	l dd additional non-paten	t literatu	ıre docu	ment ci	tation informat	ion please click the	e Add b	utton Add	3	
						R SIGNATUR					
Examiner	Signa	ature /Satwant Singl	n/				Date Conside	ered	12/18/20	07	
*EXAMIN citation if	ER: Ir	nitial if reference consider conformance and not conformance and not conformance and not conformance.	ered, wł	nether or ed. Incli	not cita ude cop	ation is in conf by of this form	ormance with MPE with next communi	EP 609. ication t	Draw line o applicant	through a	